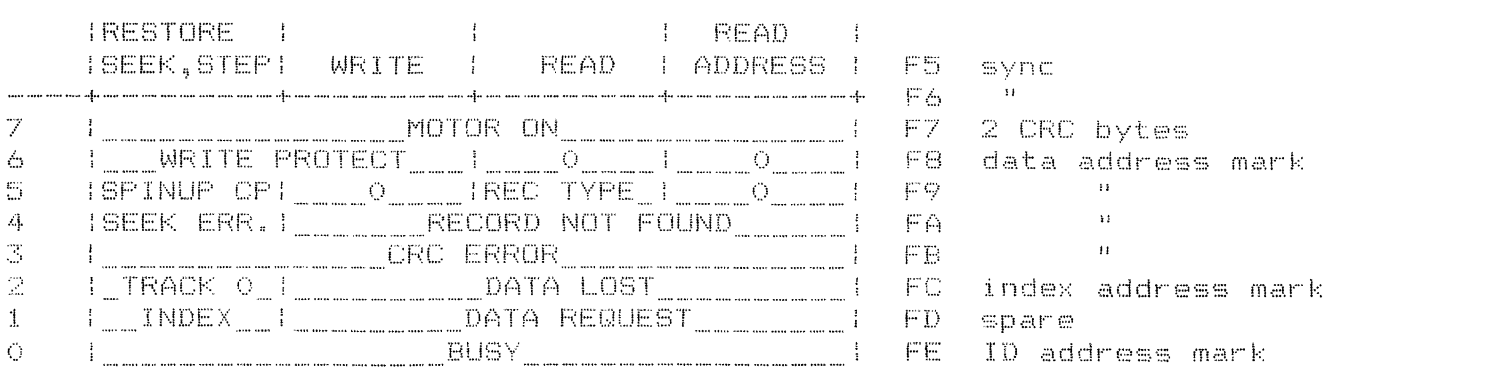
FD 1770/1772 Floppy Disk Controller

```
                                                    FM      MFM
COMMANDS:                                          nn bb   nn bb  FUNCTION
7654 3210  ..  name
0000 hvrr  00  RESTORE                             28 FF   50 4E
0001 hvrr  10  SEEK (DR)                           06 00   0C 00
001u hvrr  20  STEP                                        03 F6  ->C2
010u hvrr  40  STEP IN                                FC       FC  INDEX AM
011u hvrr  60  STEP OUT                            1A FF   32 4E
    | ||||      1770  1772
    | ||00------ 6     6    ms                  * 06 00   0C 00
    | ||01------ 12    5    ms                  *        03 F6  ->C2
    | ||10------ 20    3    ms                  *     FE    FE  ID AM
    | ||11------ 30    2    ms                  *     tt    tt  TRACK  (00-4F)
    | |+--------- enable verify                 *     0s    0s  SIDE   (00-01)
    | +---------- disable spinup sequence      *     ss    ss  SECTOR (00-F0)
    +------------ update TR                     *     ll    ll  LENGTH (00-03)
1100 he00  C0  READ ADDRESS                     *     F7    F7  CRC
100m he00  80  READ SECTOR                      *
101m hepa  A0  WRITE SECTOR                     * 0B FF   16 4E
    | |||+------ F8 del.data (FB data)          * 06 00   0C 00
    | ||+------- disable precompensation        *        03 F5  ->A1
    | |+-------- 30ms settling delay            *     FB    FB  DATA AM
    | +---------- disable spinup sequence       * nn dd   nn dd  DATA FIELD
    +------------ multiple record               *     F7    F7  CRC
      |||                                       *
1110 he00  E0  READ TRACK                       * 1B FF   36 4E
1111 hep0  F0  WRITE TRACK                         .. FF   .. 4E  (until end of track)

1101 ii00  D0  FORCE INTERRUPT
      |+-------- index
      +--------- immediate
```